Annexure – II

BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING
(Approved by AICTE, New Delhi & Affiliated to Guru Gobind Singh Indraprastha University, Delhi)
(An ISO 9001:2015 Certified Institution)
A-4, Paschim Vihar, Main Rohtak Road, New Delhi – 110 063

Dt. 01/01/2022

Incentive Scheme

Incentives for research publications by way of appreciation / monetary benefits shall be granted to individual faculty towards excellence in research and innovation with effect from 01/01/2022. The following incentive scheme is being approved to be made applicable to the research publications by the faculty, research projects completed by the faculty and the patents awarded to the institutions based on the innovation of the faculty.

The following is the incentive scheme:

Free SCIE Journals	Incentive Amount
Q1 Journal	Rs. 10,000/-
Q2 Journal	Rs. 7,500/-
Q3 Journal	Rs. 5,000/-
Q4 Journal	Rs. 2,500/-
Project Completed	Rs. 10,000/-
Patent Granted (Indian/American/European)	Rs. 10,000/-

The detailed guidelines are as follows:

1. The faculty member(s)/Author(s) must have affiliation of "Bharati Vidyapeeth's College of Engineering, New Delhi" in the published paper/granted patent/completed project.
2. The final publication date of the paper with volume and issue number (acceptance date on which the paper was published online will not be considered) will be considered for verifying the year of publication and pagination of the research paper under consideration.
3. The patent number and the date of grant along with the certificate will be considered for the patent verification. Only Indian/European/American Patents are considered.

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4. Faculty members can claim the incentive under this policy once in a year.
5. A committee will be formed under the supervision of Principal to review and verify all claims made under this policy.
6. The Head of the Department (HOD) will verify the authorship in the published paper/granted patent /completed project and forward to the committee. In case of publication by a Dean/HOD, the Principal will verify the same.
7. The claimed publication(s) or its proof should be available on publication repository of Bharati Vidyapeeth's College of Engineering, New Delhi.
8. Claims under this policy will not be considerable on or after the date of resignation even in case research paper is published/ patent is granted before the date of resignation.
9. If any claim made by the faculty before his/her resignation and he/she wants to leave the college then his/her claim/s will be settled at the time of clearance of final settlement/dues.
10. The faculty members claiming expenses to present paper in the conference after which if paper gets published in journals considered, either of the expense claims (as per college policy) or incentive for paper published will be admissible.
11. In any case, the incentive amount will be non-transferrable.
12. If there more than one author from Bharati Vidyapeeth's College of Engineering, New Delhi, then only one of them will apply for the cash prize incentive and the amount will be equally shared among them.
13. In the event of co-authors from other than Bharati Vidyapeeth, the award will be shared only between Bharati Vidyapeeth faculty.

(Dr. Yugnanda)
Dean (R&D), BVCOE

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(Prof. Dharmender Saini)
Principal, BVCOE

BEST RESEARCHER AWARDS

2022-2023

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S,No	Dept.	Faculty	Title paper/patent/Project	Name of Journal	Quartile	doi
1	CSE	Dr. Dharmender Saini	Autonomous pedestrian detection for crowd surveillance using deep learning framework	Soft Computing, Springer	Q2	https://doi.org/10.1007/s00500-023-08289-4
2	CSE	Mr. Vishal Sharma	Systematic literature review on predictive maintenance of vehicles and diagnosis of vehicle's health using machine learning techniques	Computatotional Intelligence , Wiley	Q2	https://doi.org/10.1111/coin.12553
3	CSE	Dr. Deepika Kumar	A median based quadrilateral local quantized ternary pattern technique for the classification of dermatoscopic images of skin cancer	Computers and Electrical Engineering, Elsevier	Q1	https://doi.org/10.1016/j.compeleceng.2022.108259
4	CSE	Dr. Preeti Nagrath	Hate and Aggression Analysis in NLP with Explainable AI, International Journal of Pattern Recognition and Artificial Intelligence	International Journal of Pattern Recognition and Artificial Intelligence	Q3	https://doi.org/10.1142/S0218001422590364
5	CSE	Dr. Shrishti Vashishtha	Sentiment analysis using fuzzy logic: A comprehensive literature review	WIREs	Q1	https://doi.org/10.1002/widm.1509
6	ICE	Dr . Saket Gupta	Review of sub-synchronous interaction in wind integrated power systems: classification, challenges, and mitigation techniques	Protection and Control of Modern Power Systems, Springer	Q1	https://doi.org/10.1186/s41601-023-00291-0

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7	ECE	Surjeet Balhara	A survey on deep reinforcement learning architectures, applications and emerging trends	IET Communications, Wiley	Q2	https://doi.org/10.1049/cmu2.12447
8	ECE	Monica Bhutani	Optical Wireless Communications: Research Challenges for MAC Layer	IEEE Access	Q1	10.1109/ACCESS.2022.3225913
9	ECE	Priyanka Gupta	A New Adaptive Biased Voltage Differencing Transconductance Amplifier	Journal of Circuit, Systems and Computers, World Scientific	Q3	10.1142/S0218126624500233
10	ECE	Jyoti Gupta	Real time sentiment analysis of natural language using multimedia input	Multimedia Tools and Applications, Springer	Q1	10.1007/s11042-023-15213-3
11	ECE	Annu Dabas	Design and Analysis of High-Performance Double Recycling Folded Cascode Operational Transconductance Amplifier.	Iranian Journal of Science and Technology, Transaction in Electronics Engineering, Springer	Q2	https://doi.org/10.1007/s40998-023-00604-x
12	ECE	Shweta Kumari	Design and analysis of DTMOS based RFC with controlled positive feedback OTA using HSCCM and adaptive biasing technique, Integration, Vol-90, page-90-103 May 2023	Integration (the VLSI Journal), Elsevier	Q3	https://doi.org/10.1016/j.vlsi.2023.01.012
13	ECE	Shikha	Memristor-Based Architectures for PFSCL Circuit Realizations	Circuit, Systems and Signal	Q3	https://doi.org/10.1007/s00034-023-02346-x

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				Processing, Springer		
14	ECE	Rubeena Vohra	Analysis of land use and land cover changes and their impact on temperature using landsat satellite imageeries	Environment, Development and Sustainbility, Springer	Q1	DOI:10.1007/s10668-022-02416-1
15	ECE	Sourabh Rana	Design of low profile high gain wideband circlarly polarized low RCS single layer metasurface antenna charactersitcs mode analysis	International Journal of Microwave and Wireless Technologies, Cambrige University	Q3	DOI: https://doi.org/10.1017/S1759078723000144
16	ECE	Yogita Arora	Analysis of Self-Bias Current Reference with BJT and its Application in Flipped Voltage Follower	Iranian Journal of Science and Technology, Transaction in Electrical Engineering, Springer	Q2	https://doi.org/10.1007/
17	ECE	Avinash	Low-Cost Electromagnetic Absorbers for Shield Packaging	IEEE Transactions on Components, Packaging and Manufacturing Technology	Q2	10.1109/TCPMT.2023.3265706

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18	ECE	Rajiv Kumar Nehra	Improved performance of highly compact CP implantable antenna using slots	International Journal of Electronics, Springer	Q3	https://doi.org/10.1080/00207217.2023.2173809
19	ECE	, Kirti Gupta	A RACE-FREE CURRENT MODE LOGIC (NORA-CML) SYSTEM	406525	Patent	
20	IT	Ms. Neha Gupta	Fused deep learning paradigm for the prediction of o6-methylguanine-DNA methyltransferase genotype in glioblastoma patients: A neuro-oncological investigation	Computers in Biology and Medicine	Q1	https://doi.org/10.1016/j.compbiomed.2022.106492
21	IT	Dr. Arun Kumar Dubey	Ensemble Deep Learning Derived from Transfer Learning for Classification of COVID-19 Patients on Hybrid Deep-Learning-Based Lung Segmentation: A Data Augmentation and Balancing Framework	Diagnostics,MDPI	Q2	https://doi.org/10.3390/diagnostics13111954
22	IT	Mr.Poras Khetarpal	Power Quality Disturbances Detection and Classification Based on Deep Convolution Auto-Encoder Networks	IEEE ACCESS	Q1	http://dx.doi.org/10.1109/ACCESS.2023.3274732
23	Apply. Sc.	Prof. Sushil Kumar	The Third Hermitian-Toeplitz and Hankel Determinants for Parabolic Starlike Functions	Bulletin of Korean Mathematical Society	Q3	DOI:10.4134/BKMS.b210368

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24	Apply. Sc.	Dr. Amit Sharma	Performance and Stability enhancement of mixed dimensional bilayer inverted perovskite (BA2PbI4/MAPbI3) solar cell using drift-diffusion model	Sustainable Chemistry and Pharmacy	Q1	DOI:10.1016/j.scp.2022.100807
25	Apply. Sc.	Dr. Nitu Sehrawat	**A METHOD FOR IDENTIFYING THE MOST DURABLE PLASTIC MATERIAL USING RADIAL BASIS FUNCTION BIPOLAR FUZZY NEURAL NETWORK**	G06N -Patent Grant	Patent	-
26	Apply. Sc.	Dr. Sumit Chawla	Modelling and Simulation of Crankcase Cover Manufacturing in the Automobile Industry	Journal of Scientific and Industrial Research (JSIR)	Q3	DOI: 10.56042/jsir.v82i06.1816
27	Apply. Sc.	Dr. Pidugu Trisandhya	Evaluating The Effect Of Measurement Error Under Randomized Response Techniques Of The Sensitive Variable In Successive Sampling	Proceedings of the National Academy of Sciences, India Section A: Physical Sciences, Springer	Q4	https://doi.org/10.1007/s40010-023-00836-w
28	Apply. Sc.	Dr. Charu Arora	Mathematical Modelling to Predict the Effect of Vaccination on Delay and Rise of COVID-19 Cases Management	Mathematics,MDPI	Q1	https://doi.org/10.3390/math11040821

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29	Apply. Sc.	Dr. Anil Kr	A SYSTEM FOR INVESTIGATING THE CONNECTIONS BETWEEN TROPICAL SOIL BIODIVERSITY, AGRICULTURAL INTENSIFICATION, AND ECOSYSTEM FUNCTIONING	202023100926 IPC No. 01N 34/24	Patent	
30	CSE	Dr. Jolly Parikh	Artificial Intelligence based smart glasses for determining retinal stress (UK Design Grant)	6285565	Patent	
31	CSE	Dr. Amrita Tickoo	IOT ENABLED LOCKING DEVICE FOR VEHICLE	6247162	Patent	

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is presented to

Dr. Sushil Kumar

Department of Applied Sciences

for paper entitled

Hermitia-Toeplitz And Hankel Determinants For Starlike Functions Associated With A Rational Function

published in

Journal of Nonlinear and Convex Analysis

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Dr. Yugnanda
Dean (Research & Development)

Prof. (Dr.) Dharmender Saini
Principal

BEST RESEARCHER AWARD
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is presented to

Dr. Kirti Gupta

Department of ECE

for patent entitled

A RACE-FREE CURRENT MODE LOGIC (NORA-CML) SYSTEM

Patent Grant No. **406525**

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Dr. Yugnanda
Dean (Research & Development)

Prof. (Dr.) Dharmender Saini
Principal